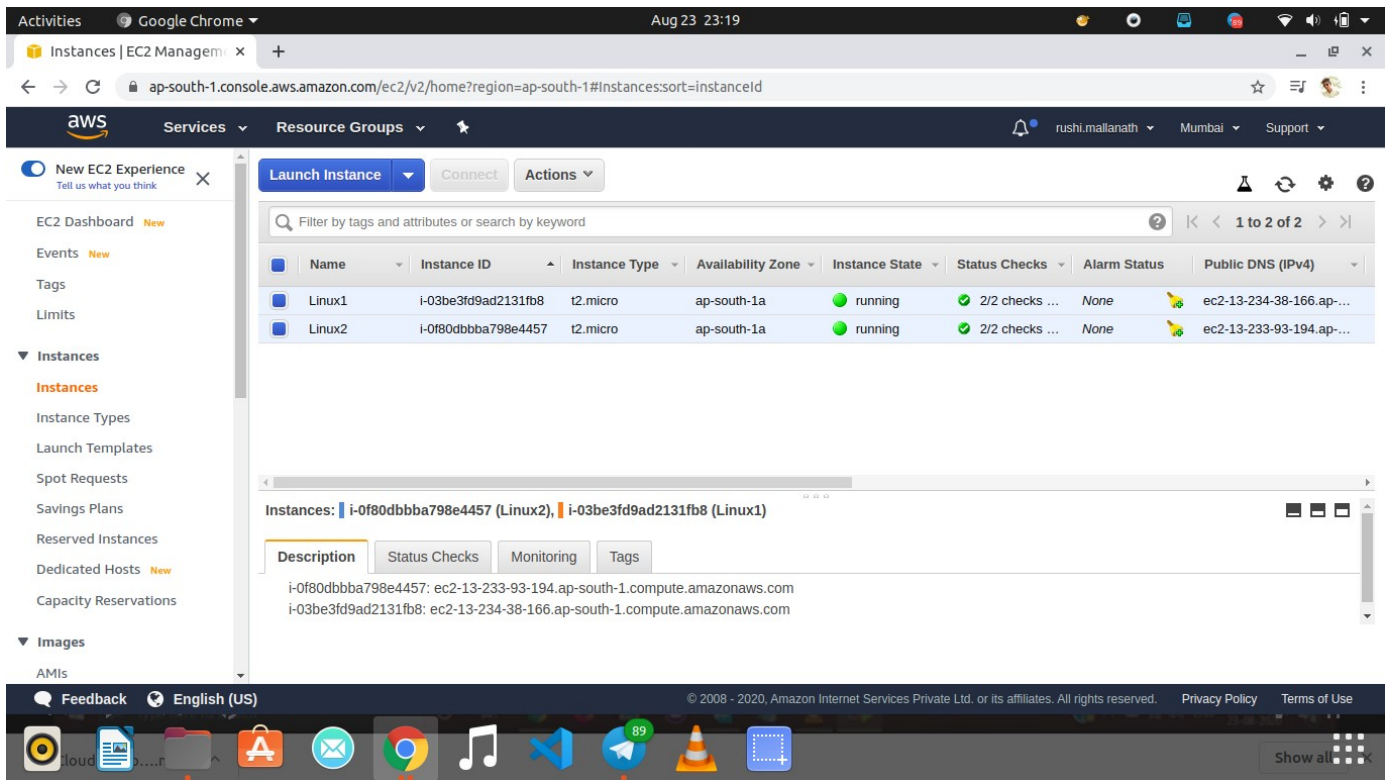


Assignment Day 4 -AWS

1.Creat Instances

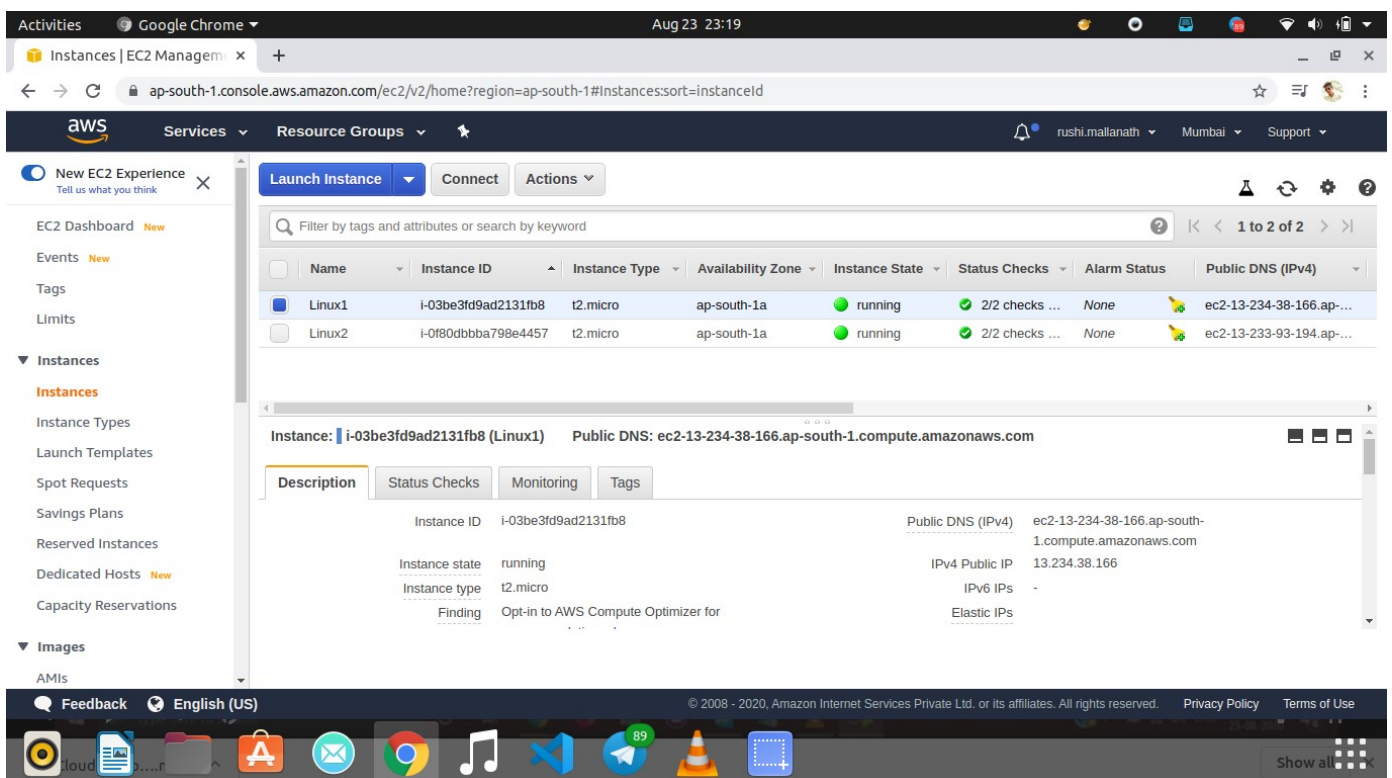


The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page displays a list of two EC2 instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Linux1	i-03be3fd9ad2131fb8	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-234-38-166.ap-...
Linux2	i-0f80dbbba798e4457	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-233-93-194.ap-...

The 'Instances' section shows two instances: i-0f80dbbba798e4457 (Linux2) and i-03be3fd9ad2131fb8 (Linux1). The 'Description' tab is selected, showing the instance details for Linux1.

2. Instances 1 – Linux1



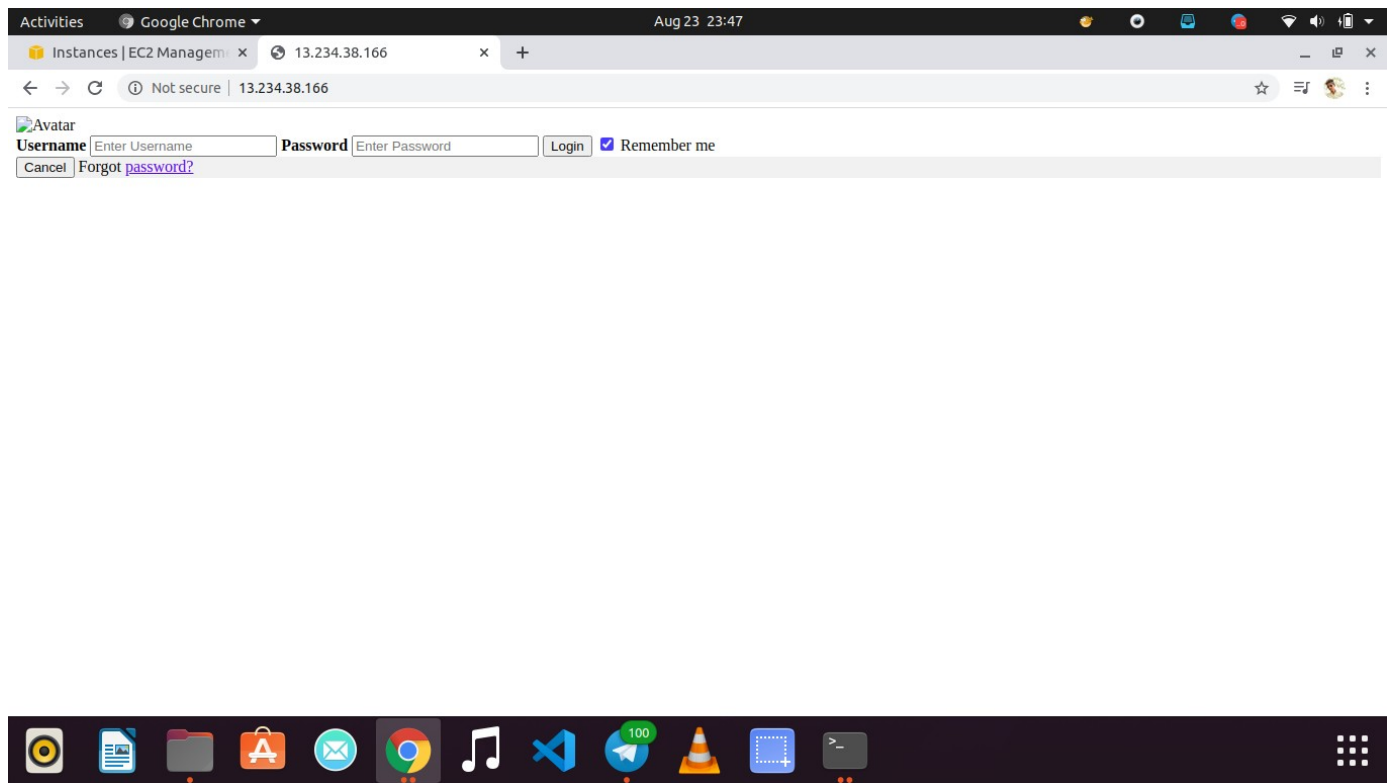
The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page displays a list of two EC2 instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Linux1	i-03be3fd9ad2131fb8	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-234-38-166.ap-...
Linux2	i-0f80dbbba798e4457	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-233-93-194.ap-...

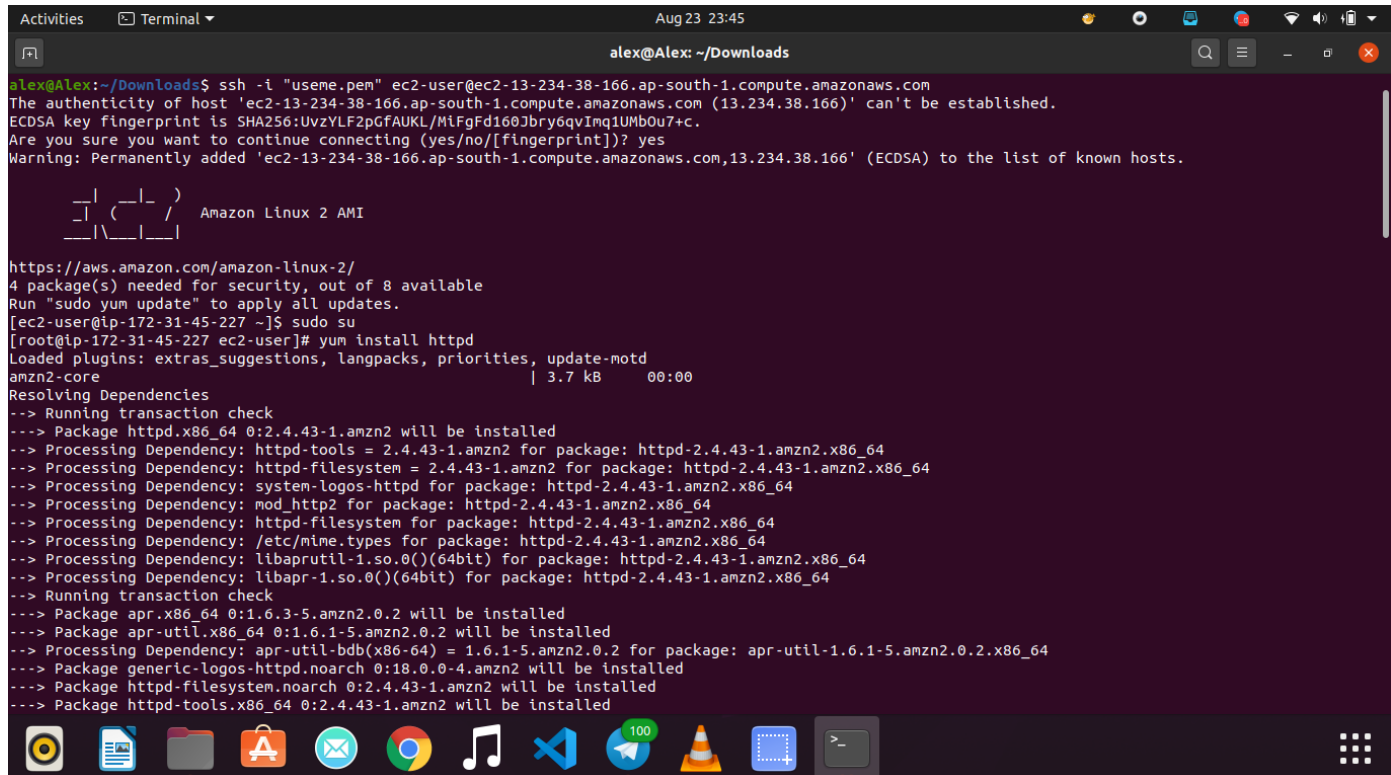
The 'Instances' section shows two instances: i-03be3fd9ad2131fb8 (Linux1) and i-0f80dbbba798e4457 (Linux2). The 'Details' tab is selected for instance i-03be3fd9ad2131fb8 (Linux1), showing the following information:

Property	Value
Instance ID	i-03be3fd9ad2131fb8
Instance state	running
Instance type	t2.micro
Public DNS (IPv4)	ec2-13-234-38-166.ap-south-1.compute.amazonaws.com
IPv4 Public IP	13.234.38.166
IPv6 IPs	-
Elastic IPs	-

Linux 1 Host -



My base machine is ubuntu -



3.Instances 2 – Linux2

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page is active, displaying a list of EC2 instances. Two instances are listed: 'Linux1' and 'Linux2'. 'Linux2' is selected, and its details are shown in the 'Description' tab. The instance is a 't2.micro' type, running in the 'ap-south-1a' availability zone. Its public DNS is 'ec2-13-233-93-194.ap-south-1.compute.amazonaws.com'. The instance is in a 'running' state with 2/2 status checks passed.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Linux1	i-03be3fd9ad2131fb8	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-234-38-166.ap-...
Linux2	i-0f80dbbba798e4457	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-233-93-194.ap-...

Instance: **i-0f80dbbba798e4457 (Linux2)** Public DNS: **ec2-13-233-93-194.ap-south-1.compute.amazonaws.com**

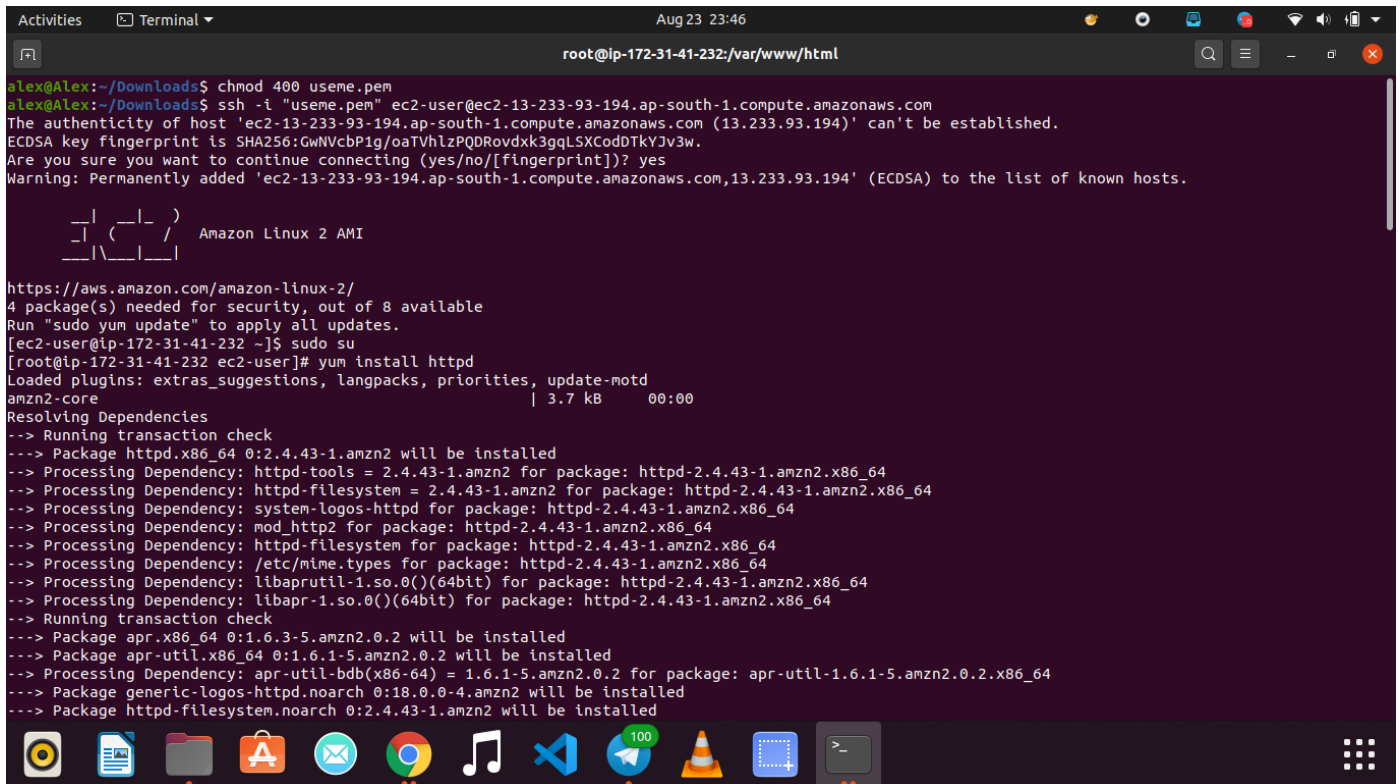
Description	
Instance ID	i-0f80dbbba798e4457
Instance state	running
Instance type	t2.micro
Finding	Opt-in to AWS Compute Optimizer for
Public DNS (IPv4)	ec2-13-233-93-194.ap-south-1.compute.amazonaws.com
IPv4 Public IP	13.233.93.194
IPv6 IPs	-
Elastic IPs	-

Linux 2 Host -

The screenshot shows a web browser window with the address '13.233.93.194'. The page displays a login form with fields for 'Username' and 'Passkey', a 'Login' button, and a 'Remember me' checkbox. There are also links for 'Forgot password?' and 'Cancel'.

Avatar
Username Enter Username
Passkey Enter Password
Login ☒ Remember me
Cancel [Forgot password?](#)

My base machine is ubuntu -



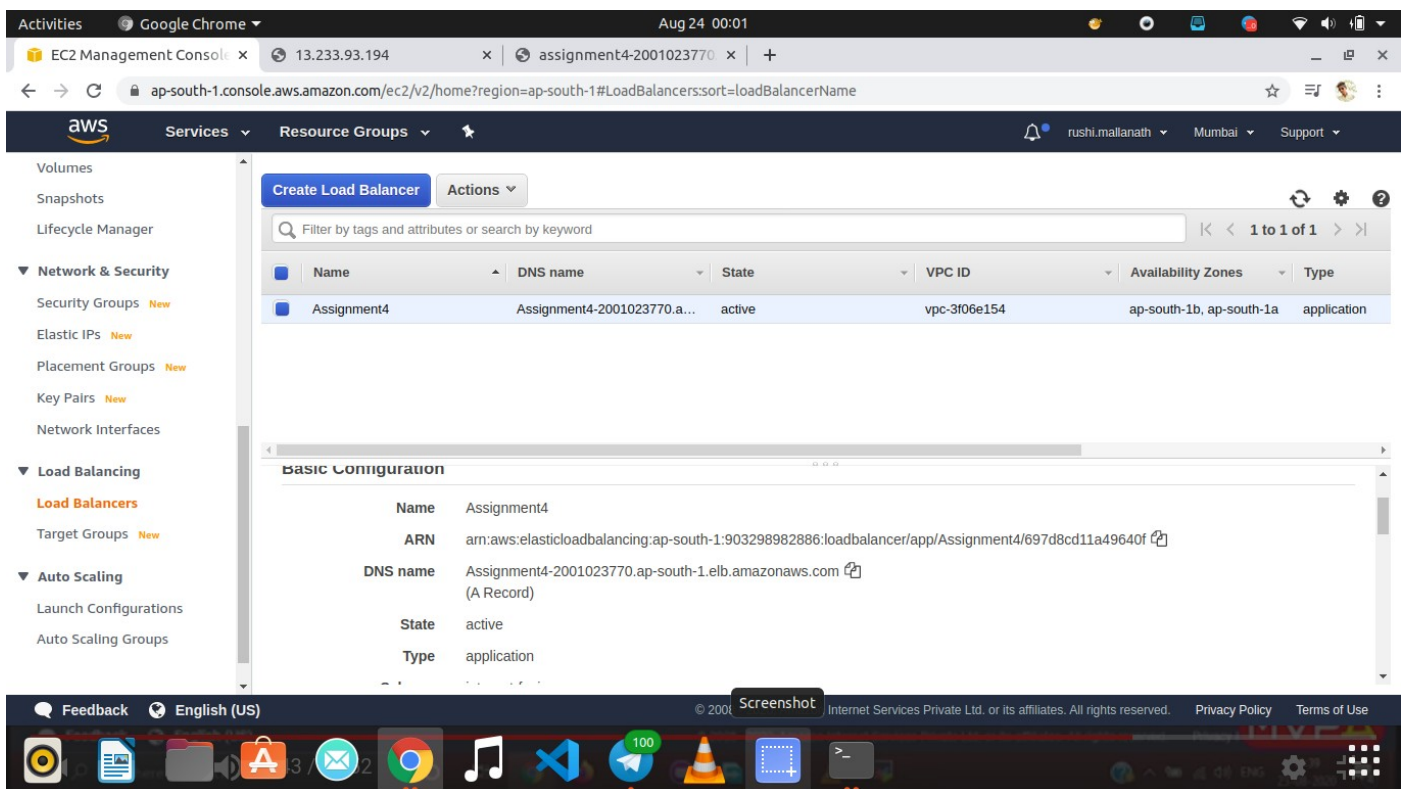
```
Activities Terminal Aug 23 23:46
root@ip-172-31-41-232:/var/www/html

alex@Alex:~/Downloads$ chmod 400 useme.pem
alex@Alex:~/Downloads$ ssh -i "useme.pem" ec2-user@ec2-13-233-93-194.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-13-233-93-194.ap-south-1.compute.amazonaws.com (13.233.93.194)' can't be established.
ECDSA key fingerprint is SHA256:GwNVcbP1g/oaTVhlzPQDRovdxk3ggLSXCodDTkYJv3w.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-233-93-194.ap-south-1.compute.amazonaws.com,13.233.93.194' (ECDSA) to the list of known hosts.

  _ _ | ( _ _ | )
 _ _ | \ _ _ | _ _ | Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-41-232 ~]$ sudo su
[root@ip-172-31-41-232 ec2-user]# yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.43-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.43-1.amzn2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: httpd filesystem = 2.4.43-1.amzn2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: httpd filesystem for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: libaprutil1.so.0()(64bit) for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: libapr1.so.0()(64bit) for package: httpd-2.4.43-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd filesystem.noarch 0:2.4.43-1.amzn2 will be installed
```

4.Load Balancer Created -



The screenshot shows the AWS Management Console interface. The left sidebar contains navigation options: Volumes, Snapshots, Lifecycle Manager, Network & Security (with sub-items like Security Groups, Elastic IPs, Placement Groups, Key Pairs, and Network Interfaces), Load Balancing (with sub-items like Load Balancers and Target Groups), and Auto Scaling (with sub-items like Launch Configurations and Auto Scaling Groups). The main content area displays the 'Load Balancers' list, showing a single entry 'Assignment4' with an active state. Below this, the 'Basic Configuration' tab is selected, showing details for 'Assignment4': ARN, DNS name (Assignment4-2001023770.ap-south-1.elb.amazonaws.com), State (active), and Type (application).

Name	DNS name	State	VPC ID	Availability Zones	Type
Assignment4	Assignment4-2001023770.a...	active	vpc-3f06e154	ap-south-1b, ap-south-1a	application

Basic Configuration	
Name	Assignment4
ARN	arn:aws:elasticloadbalancing:ap-south-1:903298982886:loadbalancer/app/Assignment4/697d8cd11a49640f
DNS name	Assignment4-2001023770.ap-south-1.elb.amazonaws.com (A Record)
State	active
Type	application

Registered Targets -

The screenshot shows the AWS Management Console interface for an Elastic Load Balancing target group. The left sidebar contains navigation links for various AWS services. The main content area displays the 'Basic configuration' and 'Registered targets' for the target group 'arn:aws:elasticloadbalancing:ap-south-1:903298982886:targetgroup/Checkme/1e0c7731446c4c22'.

Basic configuration

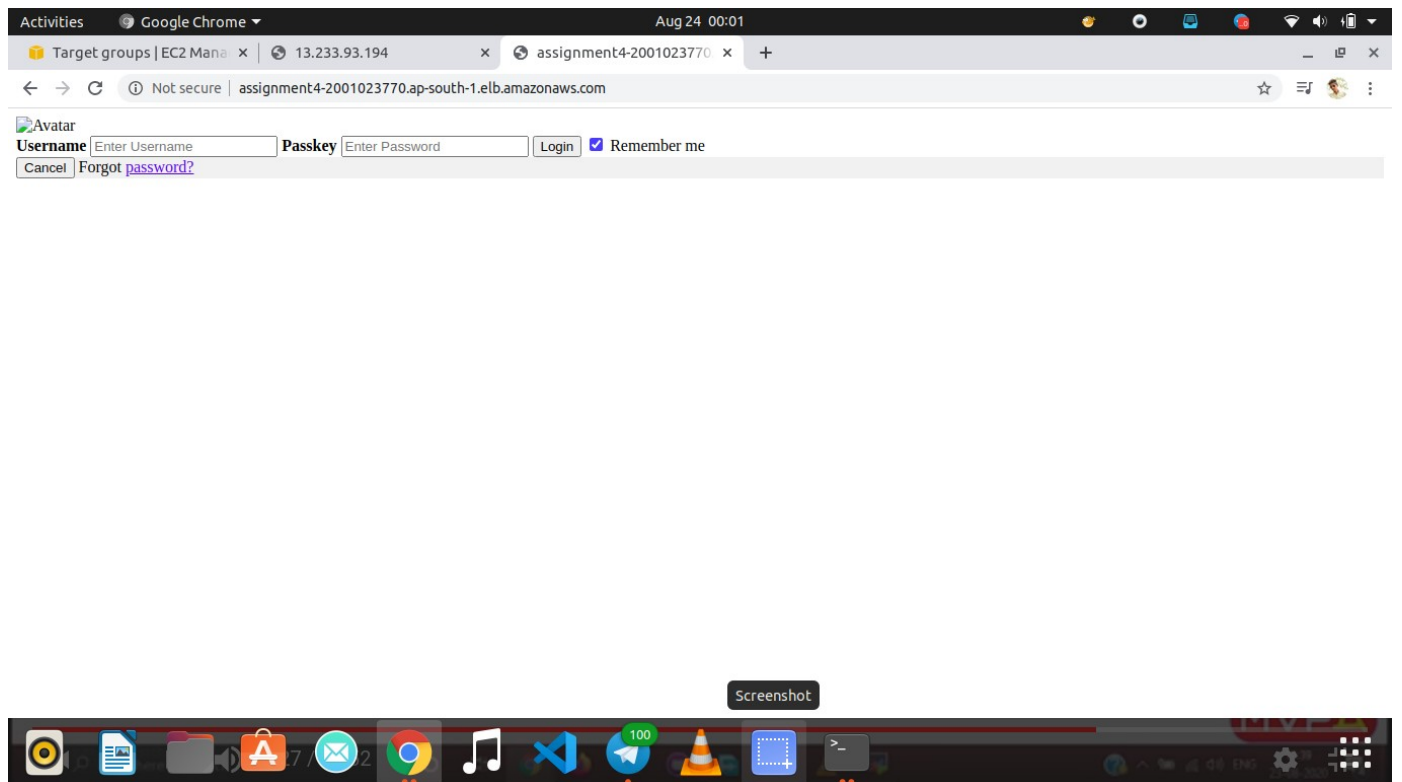
Target type	Protocol : Port	VPC	Load balancer
Instance	HTTP : 80	vpc-3f06e154	Assignment4

Registered targets (2)

Instance ID	Name	Port	Zone	Status	Status details
i-03be3fd9ad2131fb8	Linux1	80	ap-south-1a	healthy	
i-0f80dbbba798e4457	Linux2	80	ap-south-1a	healthy	

Output -

The screenshot shows the AWS Management Console login page. The browser address bar displays 'assignment4-2001023770.ap-south-1.elb.amazonaws.com'. The login form includes fields for 'Username' and 'Password', a 'Login' button, and a 'Remember me' checkbox. A 'Forgot password?' link is also present.



Thankyou!!